Patent Claims

1. A method for maintenance, in particular disassembly, of gas turbines, in particular aircraft engines, wherein a gas turbine, in particular an aircraft engine, being disassembled, **characterized** in that a gas turbine is introduced, before being disassembled, into a first apparatus which is at least largely sealed against cleaning agent being emitted, is cleaned in the first apparatus and is removed from the first apparatus after having been cleaned, and in that the cleaned gas turbine is then passed on for disassembly.

2. The method as claimed in claim 1, **characterized** in that a gas turbine to be maintained or to be cleaned is positioned in the first apparatus, and the gas turbine is then cleaned all over as a unit.

3. The method as claimed in claim 2, **characterized** in that liquids and the like, in particular lubricants, are let out from the gas turbine, positioned in the first apparatus, before the cleaning of the gas turbine.

4. The method as claimed in one or more of claims 1 to 3, **characterized** in that, after it has been cleaned, the gas turbine is moved, with a feed device being changed, from the first apparatus to a second apparatus for disassembly, with the gas turbine being positioned in a first feed device in the first apparatus for cleaning.

5. The method as claimed in claim 4, **characterized** in that the first feed device is preferably a feed crane and can be matched to different types of gas turbines to be maintained and/or to be cleaned.

6. The method as claimed in claim 4 or 5, **characterized** in that, after being cleaned, the gas turbine is moved out of the first apparatus with the aid of the first device, and in that the cleaned gas turbine is then positioned on a second feed device for disassembly.

7. The method as claimed in claim 6, **characterized** in that, for disassembly, the cleaned gas turbine is moved by the second feed device through a number of workstations, which are arranged in succession, in the second apparatus.

8. The method as claimed in one or more of claims 1 to 7, **characterized** in that the gas turbine is moved by the second feed device on a cycle through workstations, which are arranged in succession, in the second apparatus.

9. The method as claimed in one or more of claims 1 to 8, **characterized** in that, after being disassembled, modules and/or assemblies and/or individual parts of the gas turbine are inspected and/or repaired, and in that, if appropriate, a gas turbine is then assembled from inspected and/or repaired and/or new modules and/or assemblies and/or individual parts.

10. A system for maintenance, in particular disassembly, of gas turbines, in particular aircraft engines, wherein a gas turbine, in particular an aircraft engine (12), can be disassembled in an apparatus (11), **characterized** in that the apparatus for disassembly of a gas turbine is preceded by an apparatus (10) for cleaning it, wherein the apparatus (10) is at least largely sealed against cleaning agent being emitted.

11. The system as claimed in claim 10, **characterized** in that the apparatus (10) for cleaning the gas turbine has a first feed device (15), wherein the first feed device (15) can be matched via an adapter (23) to different types of gas turbines to be maintained.

12. The system as claimed in claim 11, **characterized** in that the first feed device (15) is in the form of a feed crane, wherein the gas turbine can be moved on three axes by the first feed device (15) within the apparatus (10) for cleaning of the gas turbine.

13. The system as claimed in one or more of claims 10 to 12, **characterized** in that the apparatus (10) for disassembly of the gas turbine has a second feed device (16), wherein the second feed device can be matched via an adapter to different types of gas turbine to be maintained.

14. The system as claimed in claim 13, **characterized** in that the gas turbine can be moved by the second feed device (16) through a number of workstations, which are arranged in succession, in the apparatus (11) for disassembly.

15. The system as claimed in one or more of claims 10 to 14, **characterized** in that a first workstation (17) in the apparatus (11) for disassembly of the gas turbine (12) follows the apparatus (10) for cleaning it, and in that the first feed device (15) extends into the area of the second feed device (16) and/or into the area of the first workstation (17) in the apparatus (11) for disassembly, such that the gas turbine, after being cleaned, can be transferred by the first feed device (15) to the second feed device (16).